

FIG. 1

Figure 1 is a plot showing the energy loss (eV/Angstrom) versus the distance from the conversion atom (microns). The plot displays two curves: a solid line representing the ionization centroid and a dashed line representing the maximum proton dE/dX . The ionization centroid curve starts at 0 eV/Angstrom at -3.0 microns, rises sharply to about 67 eV/Angstrom at 0.0 microns, and then drops to 0 eV/Angstrom at 5.0 microns. The maximum proton dE/dX curve starts at 0 eV/Angstrom at -3.0 microns, rises to a peak of about 43 eV/Angstrom at 3.0 microns, and then drops to 0 eV/Angstrom at 5.0 microns. A horizontal line is drawn at 14 eV/Angstrom, and a vertical line is drawn at 0.0 microns.

FIG. 2

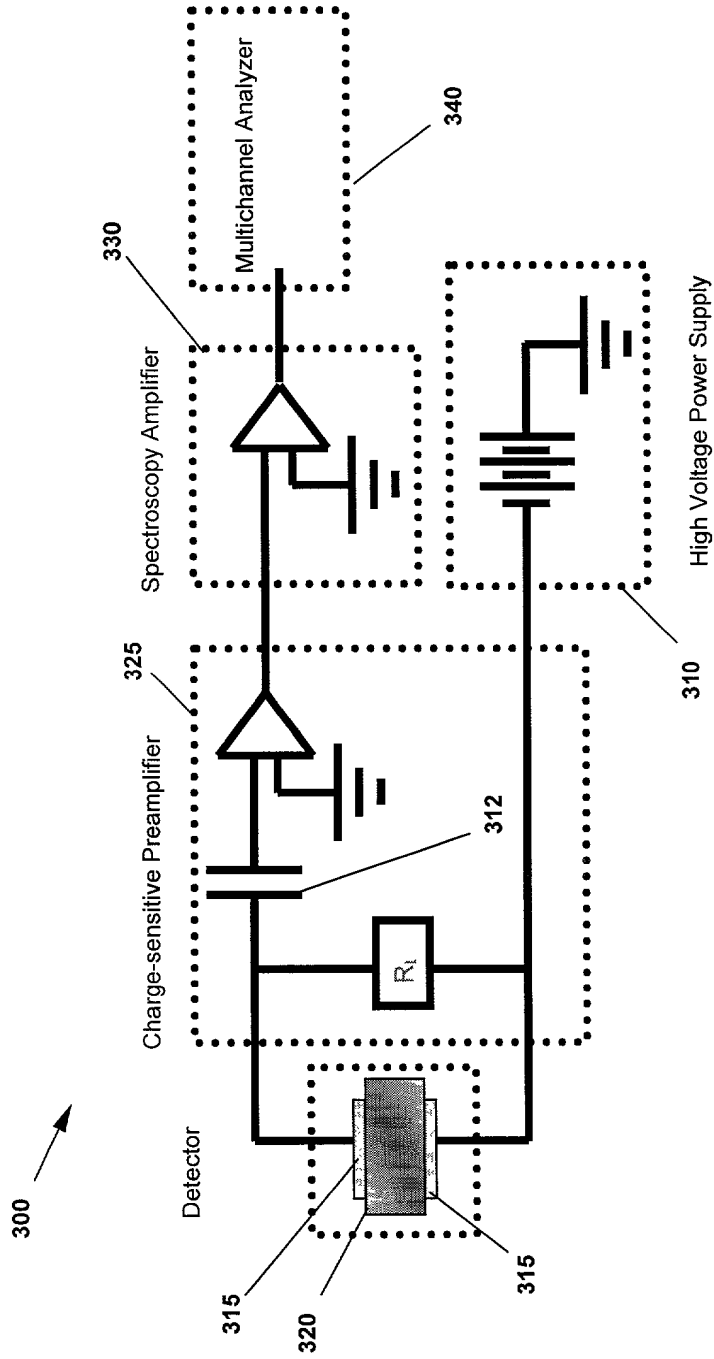


FIG. 3

Neutron response of BN pixel
+ 1kV, 1us shaping time

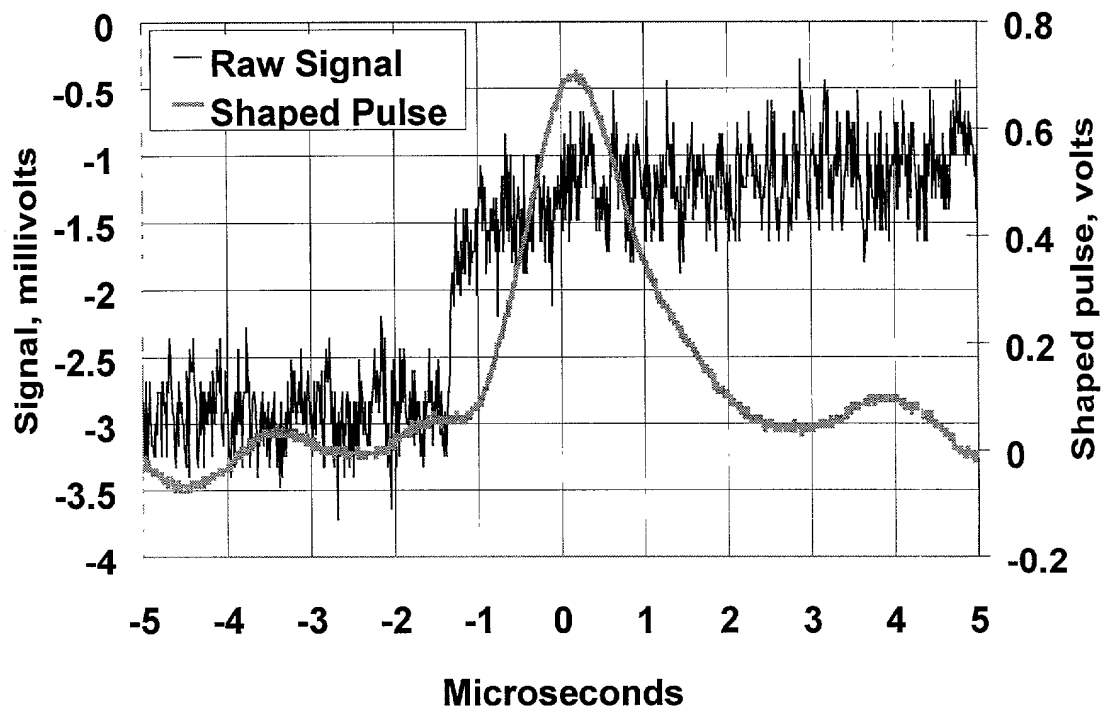


FIG. 4

Thermal neutron response of BN 102

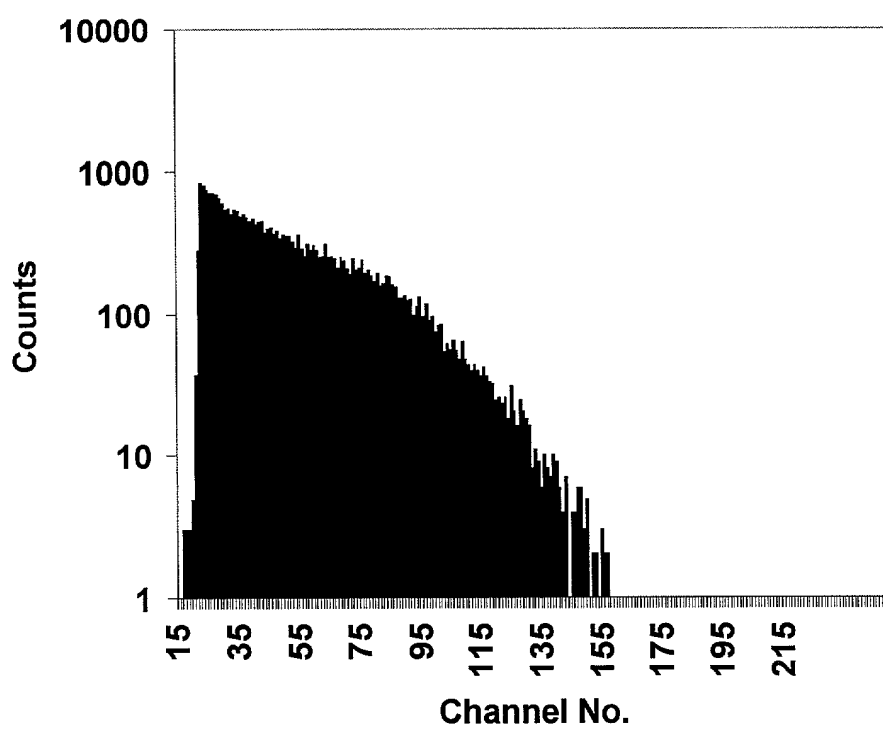


FIG. 5

TABLE 4-2350

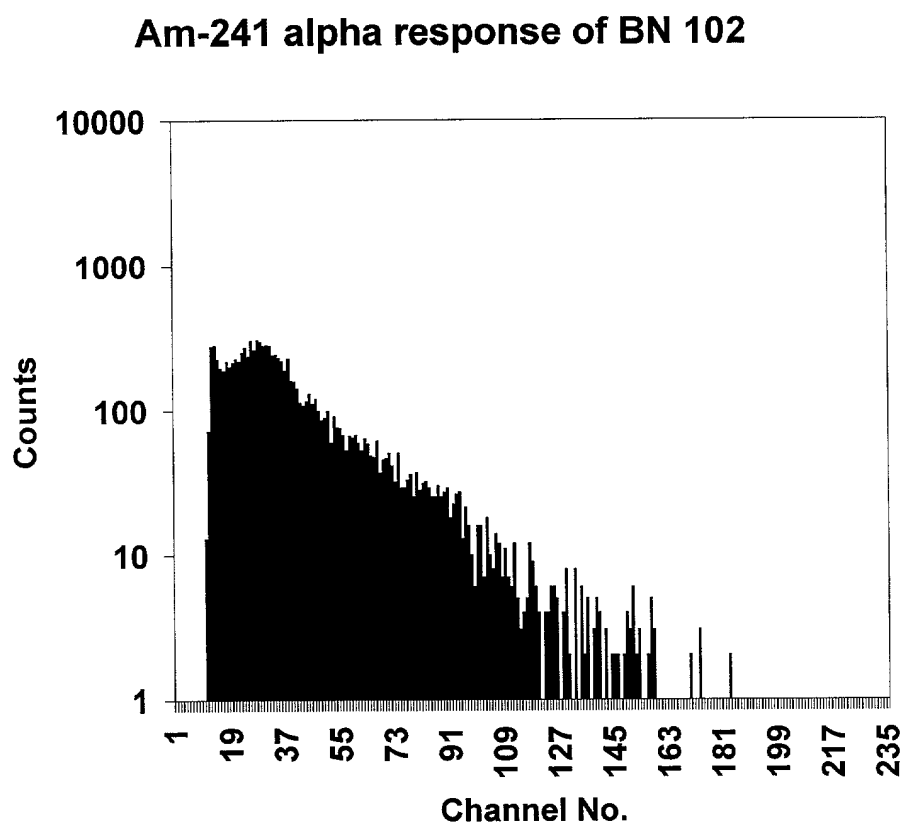


FIG. 6